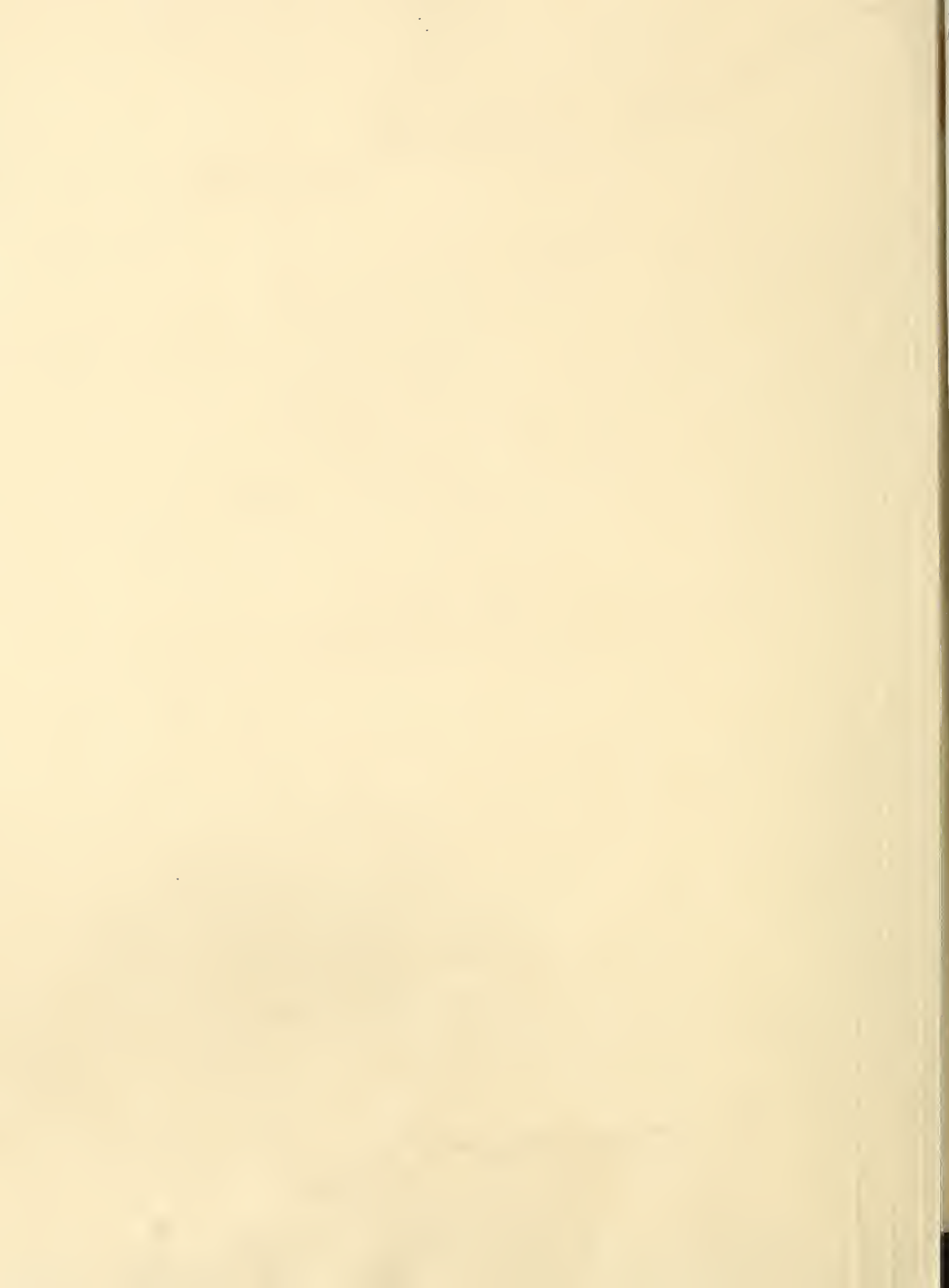


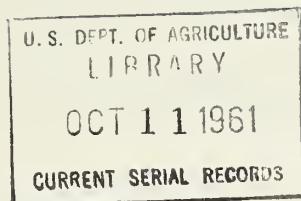
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TURKEY

PERFORMANCE TESTS

1960



FOREWORD

The National Turkey Improvement Plan provides for three types of tests through which the performance of a representative sample of the entrant's stock is measured. The tests are: (1) Turkey Reproduction Test, (2) Central Turkey Meat Production Test, and (3) On-the-Farm Turkey Meat Production Test. The detailed provisions for these tests are contained in USDA Miscellaneous Publication 739. Copies of this publication may be obtained from Official State Agencies for the National Turkey Improvement Plan or by writing directly to the Animal Husbandry Research Division, Agricultural Research Center, Beltsville, Maryland.

The Plan provides that the results of the tests reported to the AH Division by December 1 shall be published in a national summary alphabetically by test and entries. This publication contains the results of the 1960 Central Turkey Meat Production Tests conducted in Kansas, Minnesota, Nebraska, North Carolina, North Dakota, Pennsylvania, and Texas, as submitted by the supervising agencies.

Testing Procedures

The procedures followed in each test were such as to provide equal environments to each entry but there were variations between tests in the details of the methods used.

Sampling: The same methods were used by all tests in obtaining the samples of poults for the entries. A representative of the entrant's Official State Agency selected a sample of eggs from a supply being used to produce poults of the stock entered. A prescribed method of randomization to provide a sample that was typical of the entire supply was followed. The eggs from all entrants in each test were set in the same incubators and from the salable poults hatched, 100 were selected as the entry. The poults were individually identified by wing bands.

In a few cases the egg sample did not produce enough salable poults and the entry started with less than 100 birds. However, since the performance data is collected on an individual bird basis these variations gave no advantage or handicap to the affected entries in the final results.

Housing: In all tests, except North Carolina, the poults from all entries were intermingled under the brooders. In North Carolina the entries were separated and each entry was equally divided between two pens. When the poults were 8 weeks old, the number of poults per entry was reduced by random selection to 80 birds. In the Kansas test, 25 poults of each sex from each entry were placed into separate pens at 8 weeks and the results reported were based on the performance of these birds. In the Texas test the entries were separated at 4 weeks when the birds in each entry were separated by sexes and each sex equally divided between two pens. In Pennsylvania the entries were separated at 8 weeks. In the Minnesota, Nebraska, and North Dakota tests the entries were intermingled throughout the test, except that in North Dakota the bronze entries were separated from the white entries.

In most tests the birds were confined to a house throughout the test but in Kansas and Nebraska outside ranges were used after 8 weeks and in North Dakota small pens adjacent to the house were provided.

Growing Periods: There were variations between tests in the length of the growing period. In North Carolina the hens were killed at 21 weeks while in the other tests the hens were grown to 22 weeks of age. Toms were killed in North Carolina at 24 weeks, in Pennsylvania and North Dakota at 25 weeks, and in the other tests at 26 weeks. The starting dates were: Kansas, April 21; Minnesota, May 5; Nebraska, April 27; North Carolina, May 11; North Dakota, April 25; Pennsylvania, June 15; Texas, May 15.

Live Weights: In each test the birds were weighed at 12 weeks of age and again just before killing. Additional intermediate weights were taken at some of the tests.

Eviscerated Weights: The eviscerated weights reported are the weights of the fully dressed carcasses and include the weight of neck and giblets. In Kansas and Minnesota, the average weight of the giblets was added to the actual weight of the carcass and neck. The other tests weighed the carcasses after the giblets were inserted, but no provisions were made to insure the return of giblets to the carcass from which they were removed except in Texas where the gizzard was returned to the original carcass.

In Kansas and Pennsylvania the carcasses were weighed immediately after dressing while in Minnesota they were placed in chill tanks for several hours before weighing. In the other tests the carcasses remained in chill tanks overnight before weighing.

Body Measurements: There were also variations in the methods of making body measurements. The Minnesota test measured the live birds, Kansas and Nebraska the eviscerated birds, and the other tests measured at the New York dressed stage. In North Dakota all measurements, and in Texas body depth and keel length measurements were made while the birds were suspended by the head. In all other tests measurements were made while the birds were suspended by the feet.

Grading: All grading is done by licensed graders and is based on USDA standards. However, the graders are instructed to disregard defects due to faulty handling during the dressing process and there are undoubtedly between-test-variations in the way this deviation from normal grading is applied.

Defects: The specific defects, pendulous crop, roach back, leg weakness, and breast blisters are recorded when observed at any time during the growing period or dressing process. However, only those defects that occur on birds that subsequently die or are graded other than A are included in the test report, except in Texas where all defects observed are reported.

Feed Conversion: Feed efficiency was measured by the tests in Kansas, North Carolina, Pennsylvania, and Texas and is reported as the pounds of feed required to produce a pound of live turkey from one day of age to time of slaughter. Feed consumption per entry was estimated for the initial period prior to the separation of the entries and in North Carolina prior to the reduction in number of birds per entry. The estimated feed consumption per entry during the initial period is based on the feed conversion ratio of the intermingled unit and the weight of the entry at the end of the period. During the remainder of the test, the weight of feed consumed was recorded by entries.

The test reports include feed conversion ratios as computed by each of two methods. The results reported under Method 1 reflect the pounds of feed required to produce a pound of marketable turkey. This method of computation is most commonly used by commercial growers and is more likely to reflect the probable overall economic returns. However, in this method the ability of the stock to convert feed to meat may be confounded by mortality which occurred during the growing period. Method 2 tends to eliminate the influence of mortality by adding to the weight of the marketable turkeys the weight at time of death of the birds that died before the end of the test.

Evaluation of Results

In the evaluation of the results, no direct comparison should be made between entries in different tests. Since differences in the performance of entries in different tests may be due to variations in testing procedures, direct comparisons of results reported in this summary should be made only between entries within a test.

In comparing entries, the possibility of differences due to chance alone should be recognized. Obviously, small differences may be due to chance rather than to a genetic difference in the stocks tested. However, differences should not be ignored solely because they are small nor should larger differences be accepted as signifying genetic differences because they are large.

It would be difficult to determine precisely what part of the difference between two entries was due to a true genetic difference in the stocks and that which was due to chance alone. Statistical procedures may be applied to test data which will indicate the probability of similar differences occurring in subsequent tests. The NTIP provides that one of these procedures, such as Duncan's Multiple Range Test, be applied to central turkey meat production tests and the results included in the national summary.

Statistical Significance of Differences

In applying Duncan's Multiple Range Test, the weights and measurements of each entry are compared to those of each other entry. The differences occurring are tested to determine whether they are statistically significant. The results of the statistical analysis are reported in a line chart which was prepared as follows: (1) For each test and for each trait measured, the entry numbers (shown with the entrant's name in the tables of results) were arranged with the entry having the largest weight or measurement on the left and in descending order to the smallest on the right; (2) A line (underscore) was then drawn under the first entry number and was extended under the number of each entry which did not differ significantly from the first entry; (3) This procedure was followed for each entry in the test.

Statistical Significance of Differences (Cont'd.)

In the completed chart, those entries whose numbers are underscored by a common line are not significantly different. For example, in the following illustration, entry No. 3 was the largest but not statistically different from entries 5 and 2. Entry 5 was not significantly different from 3, 2, 4, or 9 but was significantly larger than 10, 8, 7, 1 and 6. Entry 6 was the smallest but was not significantly smaller than 7 or 1.

Entry No. 3 5 2 4 9 10 8 7 1 6

Explanation of Terms and Abbreviations

Entrant: In the tables of results of the Central Turkey Meat Production Tests only the abbreviated names of the entrants and the State in which they are located are given. The complete names and addresses of all entrants appear on pages 5, 6 and 7.

Kind of Stock:

BBB - Broad Breasted Bronze
BBW - Broad Breasted White
SBW - Small Broad White
BR - Breeder Replacement
SF - Supply Flock

Mating Procedure:

Nat. - Natural mating
Art. - Artificial insemination
Both - Natural mating, supplemented with artificial insemination

Feed Conversion: The figures reported represent the pounds of feed used to produce one pound of live turkey.

Method 1. Includes the weight of marketable turkeys only.
Method 2. Includes the weight of marketable turkeys plus the weight at time of death of birds that died during the growing period and the final weight of other unmarketable birds.

Eviscerated Weight: The weight of the fully dressed birds, including the neck and giblets.

Eviscerated Yield: The eviscerated weight expressed as a percentage of the live weight.

Body Measurements:

Breast Width - Measured at the widest point 1 3/4 inches above the keel.
Body Depth - Measured at the deepest point.
Keel Length - Measured as a straight line between the front and rear ends of the keel.

Grades: Percentage of birds in each grade is computed from the number of birds graded.

Defects: Percentage of birds with defects is computed from the number of birds started.

ENTRANTS IN 1960 CENTRAL TURKEY MEAT PRODUCTION TESTS

Name and Address of Entrant	Kind of Stock	Strain or Trade Name	Mating Pro- cedure	Number of Hens in Flocks	Tests Entered						
					Kans.	Minn.	Neb.	N. C.	N. D.	Penn.	Tex.
Anderson Turkey Fm. & Htchy. Frazee, Minnesota	BBB BR	Nordman	Both	12,500		X					
Anderson Turkey Farm, Belchertown, Massachusetts	BBB BR	Anderson	Art.	400		X			X		
Anderson Turkey Farm, Belchertown, Massachusetts	BBW BR	Block- buster	Both	400		X	X	X		X	
Brady Turkey Fm. & Htchy., Rt. 2, Paola, Kansas	BBB SF	Nicholas	Both	800	X						
Brady Turkey Fm. & Htchy., Rt. 2, Paola, Kansas	BBW SF	Nicholas	Both	1,100	X						
Browning Turkey Farm, Winchester, Kentucky	BBB SF	Browning	Both	52,855	X	X	X	X	X	X	X
Burlington Hatchery, Burlington, Kansas	BBB SF	Rose-A- Linda	Both	1,700	X						
Central Kansas Hatchery, Inc., Moundridge, Kansas	BBW SF	Thompson	Both	2,028	X						
Central Kansas Hatchery, Inc., Moundridge, Kansas	BBW SF	Broadwhite	Both	3,000	X						
Ephrata Turkey Farms, Inc., Ephrata, Pennsylvania	BBB SF	Hamilton	Art.	6,000						X	
Ephrata Turkey Farms, Inc., Ephrata, Pennsylvania	BBW SF	Segars	Both	3,000						X	
Gibbon Turkey Hatchery, Shelton, Nebraska	BBB SF	Nebraska Hunter	Both	1,100			X				
Gondring Turkey Ranch, Ceres, California	BBB SF	Gondring	Both	2,400		X	X				
Gozzi Breeding Farms Rt. 1, Guilford, Connecticut	BBW SF	Gozzi	Both	3,000		X		X	X		
Gozzi Breeding Farms, Rt. 1, Guilford, Connecticut	BBW SF	Gozzi	Art.	1,000			X				
Gozzi Breeding Farms, Rt. 1, Guilford, Connecticut	BBW SF	Gozzi	Art.	10,000						X	
Hall Turkey Ranch, Santa Susana, California	BBB SF	Hall Manor	Both	6,000		X	X			X	
Hart's Hatchery, Inc., Medford, Oregon	BBB BR	Hart- Schneider	Nat.	4,000			X				X
Hildebrand Turkey Hatchery, Seward, Nebraska	BBB SF	Hildebrand	Nat.	1,150			X				
Hilltop Turkey Fm. & Htchy., Rt. 3, McPherson, Kansas	BBB SF	Schmidt	Both	1,100	X						
Hilltop Turkey Fm. & Htchy., Rt. 3, McPherson, Kansas	BBW SF	Wilford	Both	6,000	X						
Jane's Bar Nothing Ranch, Austin, Texas	BBB SF	Janes	Both	5,000							X
Jane's Bar Nothing Ranch, Austin, Texas	BBB SF	Meat Str. Texas	Both	6,500							X
Jane's Bar Nothing Ranch, Austin, Texas	BBB SF	Special Str. Cross	Both	250			X				X
Janssen Farm Hatcheries, Zeeland, Michigan	BBB SF	JB-60B	Both	700		X	X	X	X	X	
Janssen Farm Hatcheries, Zeeland, Michigan	BBW SF	JB-60W	Both	800		X	X	X	X	X	
Jerome Turkey Hatchery Barron, Wisconsin	BBW SF	Superline 500	Both	750			X				
Johnson Turkey Hatchery, Rose Hill, North Carolina	BBB SF	Johnson	Art.	12,000				X			
Kehl Turkey Hatchery, Columbus, Wisconsin	BBB BR	Kehl	Nat.	2,000							X
Keithley Sun Land Farms, Lancaster, California	BBB SF	Keithley	Art.	1,200			X				
Keithley Sun Land Farms, Lancaster, California	BBW SF	(S. C.) Keithley	Art.	800			X				

ENTRANTS IN 1960 CENTRAL TURKEY MEAT PRODUCTION TESTS (Cont'd.)

Name and Address of Entrant	Kind of Stock	Strain or Trade Name	Mating Procedure	Number of Hens in Flocks	Tests Entered						
					Kans.	Minn.	Neb.	N. C.	N. D.	Penn.	Tex.
Kent Turkey Hatchery, Johnson City, Texas	BBB SF	Kent	Both	7,200							X
Kimber Turkey Breeding Farm, Niles, California	BBW SF	KW66 (S. C.)	Both	10,000			X				X
Kimber Turkey Breeding Farm, Niles, California	BBB SF	KB33 (S. C.)	Both	20,000			X				X
Land O' Lakes Creameries, Inc. Minneapolis, Minnesota	BBB SF	KB33 (S. C.)	Both	24,000		X					
Land O' Lakes Creameries, Inc. Minneapolis, Minnesota	BBW SF	KW66 (S. C.)	Both	10,000		X					
Land O' Lakes Creameries, Inc. Valley City, North Dakota	BBB SF	KB33 (S. C.)	Both	24,000					X		
Lyons Turkeys, McMinnville, Oregon	BBB BR	Lyons	Both	1,500			X				
Manhattan Hatchery, Rt. 5, Manhattan, Kansas	BBB SF	Loomis	Both	800	X						
Marston's Turkeyland, Zepherhills, Florida	SBW SF	Marston's Small Broadwhite	Nat.	1,500				X			
Meadowbrook Turkey Farm, Roseville, California	BBB SF	Meadowbrook	Both	3,000						X	
Menefee Turkey Ranch, Inc. Rt. 1, Yamhill, Oregon	BBB SF	Menefee	Both	20,000			X			X	
Miller Hatcheries, Ltd., Winnipeg, Manitoba, Canada	BBB SF	Ploen	Nat.	1,295			X				
Nicholas Turkey Breeding Fms. 865 W. Napa St., Sonoma, Cal.	BBB BR	Nicholas	Both	6,000		X	X		X	X	X
Nicholas Turkey Breeding Fms. 865 W. Napa St., Sonoma, Cal.	BBW BR	Nicholas	Both	16,000		X	X	X	X	X	X
Nokota Hatchery, Devils Lake, North Dakota	BBW SF	Nicholas	Art.	1,100					X		
Norbest Turkey Grower's Assn. Salt Lake City, Utah	BBB SF	Norbest Hunter	Nat.	7,000			X				
Ohio Agri. Exp. Station, Wooster, Ohio	BBW Control	Random-bred	Art.			X		X	X		
Palmateer's Turkey Farm, R. D. #1, Elverson, Penn.	BBB SF	Rose-A-Linda	Both	10,000						X	
Pinetree Turkey Hatchery, Farmington, Minnesota	BBB SF	Pinetree	Nat.	3,700		X					
River Rest Turkey Sales, Shawnee, Oklahoma	BBW BR	River Rest Meat Cross	Nat.	2,500							X
Rusk Turkey Hatchery, Grandview, Washington	BBB BR	Rusk Pure Strain	Nat.	4,700		X	X				X
Segars Turkey Breeding Ranch, Box 1008, Turlock, Cal.	BBW SF	Segars	Both	5,000			X	X	X		
Shaw, Glen F., R. D. #2, Amherst, Mass.	BBW SF	Shaw's	Both	600						X	
Shearer, Robert K., R. D. #1, Reinholds, Penn.	BBB SF	Shearer	Art.	2,800						X	
Stants Turkey Farm & Hatchery, Abilene, Kansas	BBW SF	Segars	Both	15,000	XX						
Sterling Turkey Hatchery, Inc., Detroit Lakes, Minnesota	BBB BR	Hart-Schneider	Nat.	200		X					
Waite's Turkey Hatchery, Berryville, Arkansas	BBB SF	Waite's King Size	Nat.	10,000	X		X				X
Wallis Turkey Ranch, Cuero, Texas	BBB BR	Wallis	Both	1,200							X
Wampler, Chas. W. & Sons, R. D. #1, Harrisonburg, Va.	BBW SF	Wampler's Big White	Nat.	2,100						X	
Warren's Turkey Farm, Rehoboth, Massachusetts	BBW SF	Warren's Str. Cross	Both	300		X	X		X	X	
Washore Turkey Association, 920 S. E. Stark, Portland, Ore.	BBB SF	Hamilton 500	Both	4,000			X				

ENTRANTS IN 1960 CENTRAL TURKEY MEAT PRODUCTION TESTS (Cont'd.)

Name and Address of Entrant	Kind of Stock	Strain or Trade Name	Mating Procedure	Number of Hens in Flocks	Tests Entered						
					Kans.	Minn.	Neb.	N. C.	N. D.	Penn.	Tex.
Washore Turkey Association, 920 S. E. Stark, Portland, Ore.	BBB SF	Hamilton 300	Both	40,000					X		
Welkona Turkeys, Inc. Kalona, Iowa	BBB SF	Welkona	Art.	4,300			X				
Wenzel Turkey Farm & Htchy., Garden Prairie, Illinois	BBB BR	Wenzel	Both	200			X				
Wilford Htchy. & Breeding Fm., Elyria, Ohio	BBW BR	Wilford 4C94	Both	2,400			X				
Wilford Htchy. & Breeding Fm., Elyria, Ohio	BBW BR	Wilford 5C97	Both	2,200							X
Wila Turkey Ranch, Wila, Pennsylvania	BBB SF	Keithley (S. C.)	Art.	3,600						X	

STOCKS ENTERED IN 1960 CENTRAL TURKEY MEAT PRODUCTION TESTS

Strain or Trade Name	Tests Entered						
	Kans.	Minn.	Neb.	N. C.	N. D.	Penn.	Tex.
Bronze							
Anderson		X			X		
Browning	X	X	X	X	X	X	X
Gondring		X	X				
Hamilton 300					X	X	
Hamilton 500			X				
Hall Manor		X	X			X	
Hart-Schneider		X	X				X
Hildebrand			X				
Janes Meat Strain						X	
Janes Texas Special						X	
Janes Strain Cross			X			X	
Janssen JB60B		X	X	X	X	X	
Johnson			X				
Keithley Strain Cross			X			X	
Kehl							X
Kent						X	
Kimber KB33 (S. C.)		X	X		X		X
Loomis	X						
Lyons			X				
Meadowbrook						X	
Menefee			X			X	
Nebraska Hunter			X				
Nicholas	X	X	X		X	X	X
Norbest Hunter			X				
Nordman		X					
Pinetree		X					
Ploen			X				
Rose-A-Linda	X					X	

Strain or Trade Name	Tests Entered						
	Kans.	Minn.	Neb.	N. C.	N. D.	Penn.	Tex.
Bronze							
Rusk Pure Strain		X	X				X
Schmidt	X						
Shearer						X	
Waite's King Size	X		X				X
Wallis							X
Welkona			X				
Wenzel			X				
White							
Anderson Blockbuster		X	X	X		X	
Gozzi		X		X	X		
Gozzi 200						X	
Gozzi 300			X				
Janssen JB60W		X	X	X	X	X	
Jerome Superline 500			X				
Keithley	X		X				
Kimber KW66 (S. C.)		X	X				X
Marston Small Broadwhite				X			
Nicholas	X	X	X	X	X	X	X
Ohio Randombred		X		X	X		
River Rest Meat Cross							X
Segars	X		X	X	X	X	
Shaw's						X	
Thompson's Broadwhite	X						
Wampler's Big White						X	
Warren's Strain Cross		X			X	X	
Wilford 4C94	X		X				
Wilford 5C97							X

1960 CENTRAL TURKEY MEAT PRODUCTION TESTS

TEST SUPERVISORS

Kansas - Harry J. Reed, Kansas Poultry Association, P. O. Box 663, Manhattan
 Minnesota - Roy D. Carlson, Dept. of Agriculture, State Office Building, St. Paul 1
 Nebraska - John L. Skinner, Extension Poultryman, University of Nebraska, Lincoln 3
 North Carolina - G. A. Martin, Poultry Science Dept., N. C. State College, Raleigh
 North Dakota - David Dickens, N. D. Poultry Improvement Board, State Capitol, Bismarck
 Pennsylvania - Charles W. Dorsey, Poultry Division, Dept. of Agriculture, Harrisburg
 Texas - George H. Draper, Supervisor, NTIP, Texas A&M College, College Station

THIRD KANSAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED* CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		8* WEEKS	12* WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	METHOD 1	METHOD 2
1. Brady Kansas	Nicholas	B			0.0	Toms Hens	4.3 8.3	17.6 12.4	21.9 14.9	25.8 28.5			4.20	4.11
2. Brady Kansas	Nicholas	W			8.0	Toms Hens	4.6 8.1	18.1 13.0	22.3 15.2	25.5 27.3			4.22	4.08
3. Browning Kentucky	Browning	B	Not reported	Not reported	2.0	Toms Hens	3.9 7.5	17.2 11.8	22.0 14.1	24.9 27.5			4.17	4.16
4. Burlington Kansas	Rose-A-Linda	B			0.0	Toms Hens	3.9 7.4	17.4 12.6	21.6 14.8	24.8 28.0			4.32	4.02
5. Central Kansas Kansas	Thompson Broadwhite	W			4.0	Toms Hens	3.7 6.7	16.2 11.3	19.5 12.6	22.6 25.0			4.11	4.05
6. Central Kansas Kansas	Keithley	W			8.0	Toms Hens	4.3 7.8	17.8 13.7	21.5 15.3	24.4 26.6			4.64	4.04
7. Hilltop Kansas	Schmidt	B			4.0	Toms Hens	4.0 7.5	16.2 12.4	20.2 14.9	23.6 26.3			4.71	4.24
8. Hilltop Kansas	Wilford 4C94	W			8.0	Toms Hens	3.8 6.9	16.4 11.6	19.3 13.0	22.1 24.4			4.46	4.33
9. Manhattan Kansas	Loomis	B			8.0	Toms Hens	3.9 7.4	16.9 12.5	20.5 14.2	24.0 25.9			4.44	4.10
10. Stants Kansas	Segars	W			4.0	Toms Hens	4.1 7.5	16.8 12.4	20.9 14.6	24.9 27.1			4.48	4.25
11. Stants Kansas	Segars	W			10.0	Toms Hens	4.1 7.5	17.4 11.8	20.8 13.4	23.7 26.1			5.24	4.19
12. Waite Arkansas	Waite's Kingsize	B			6.0	Toms Hens	3.9 7.4	17.3 11.8	22.1 14.2	25.7 27.6			4.41	4.15
Average All Entries		B & W			5.2	Toms Hens	4.0 7.5	17.1 12.3	21.1 14.3	24.3 26.7			4.45	4.14
Average Bronze Entries		B			3.3	Toms Hens	4.0 7.6	17.1 12.3	21.4 14.5	24.8 27.3			4.38	4.13
Average White Entries		W			7.0	Toms Hens	4.1 7.4	17.1 12.3	20.7 14.1	23.9 26.1			4.53	4.16

*Both Sexes

THIRD KANSAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Eviscerated		Breast Width	Body Depth	Keel Length	OVER-ALL QUALITY % U. S. GRADE			% U. S. GRADE A FOR:			PERCENT WITH:				Entrant
Weight (lbs)	Yield (%)				A	B	C	Fleshing	Finish	Freedom of Pin- Feathers	Penou- lous Crop	Roach Back	Leg Weak- ness	Breast Blisters	
22.4	78.6	4.5	8.9	7.7	86.2	---	10.3	100.0	100.0	100.0	---	---	3.5	10.3	1.
11.5	77.3	4.0	6.9	6.1	90.5	4.8	4.7	95.2	100.0	100.0	4.0	---	---	---	Brady
21.3	78.1	4.3	8.6	7.5	84.0	---	16.0	100.0	100.0	100.0	---	---	---	16.0	2.
11.8	77.6	4.0	6.9	6.1	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Brady
21.6	78.5	4.0	8.6	7.5	76.9	---	23.1	100.0	100.0	100.0	---	---	---	23.1	3.
10.9	77.9	3.5	7.0	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Browning
22.2	79.0	4.7	8.3	7.6	62.5	---	25.0	100.0	100.0	100.0	4.0	---	8.0	28.0	4.
11.8	79.6	4.3	6.7	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Burlington
19.5	77.7	4.1	8.2	7.3	65.4	---	34.6	100.0	100.0	100.0	---	---	---	34.6	5.
10.0	78.7	3.7	6.6	5.8	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Central Kansas
21.0	79.1	4.5	8.5	7.3	77.3	---	13.6	100.0	100.0	100.0	---	---	4.0	16.0	6.
11.9	77.7	4.1	6.9	6.0	87.5	4.2	8.3	100.0	100.0	100.0	---	---	---	12.0	Central Kansas
20.7	78.6	4.2	8.4	7.5	68.0	8.0	12.0	100.0	100.0	100.0	---	---	12.0	12.0	7.
11.7	78.4	4.7	6.8	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Hilltop
19.1	78.1	4.4	8.2	7.3	90.9	---	9.1	100.0	100.0	100.0	---	---	---	8.0	8.
10.3	78.7	4.0	6.6	5.8	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Hilltop
20.4	78.7	4.1	8.5	7.5	76.9	3.8	19.3	100.0	100.0	100.0	---	---	---	19.3	9.
11.1	77.7	3.6	7.0	6.2	95.0	---	5.0	100.0	100.0	100.0	---	---	---	4.0	Manhattan
21.2	78.4	3.9	8.5	7.5	70.8	---	25.0	100.0	100.0	100.0	---	---	---	24.0	10.
11.4	78.3	3.7	7.0	5.9	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Stants
19.9	76.2	3.7	8.7	7.5	58.0	---	26.3	100.0	100.0	100.0	---	4.0	12.0	16.0	11.
10.4	77.3	3.6	6.8	5.9	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Stants
21.8	79.2	3.7	8.9	7.9	82.6	---	17.4	100.0	100.0	100.0	---	---	---	16.0	12.
11.0	77.6	3.5	7.0	6.2	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Waite
20.9	78.4	4.2	8.5	7.5	75.0	1.0	19.3	100.0	100.0	100.0	.3	.3	3.3	18.7	Average All Entries
11.2	78.1	3.9	6.9	6.0	97.8	.7	1.5	99.6	100.0	100.0	.3	---	---	1.3	
21.5	78.8	4.2	8.6	7.6	75.5	2.0	17.9	100.0	100.0	100.0	.7	---	3.9	18.3	Average Bronze Entries
11.3	78.1	3.9	6.9	6.1	98.6	.8	1.6	100.0	100.0	100.0	.7	---	---	.7	
20.3	77.9	4.2	8.5	7.4	74.4	---	20.8	100.0	100.0	100.0	---	.7	2.7	19.1	Average White Entries
11.0	78.1	3.9	6.8	5.9	97.9	.7	1.4	99.2	100.0	100.0	---	---	---	2.0	

THIRD KANSAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Statistical Significance of Differences Between Entries

Final Live Weight

Toms												
Entry No.	1	4	12	3	2	10	6	7	11	9	5	8
Hens												
Entry No.	6	2	1	7	4	10	9	12	3	11	8	5

Eviscerated Weight

Toms												
Entry No.	1	4	12	3	2	10	6	7	9	11	5	8
Hens												
Entry No.	6	4	2	7	1	10	9	12	3	11	8	5

Eviscerated Yield

Toms												
Entry No.	6	12	4	9	7	1	3	10	2	8	5	11
Hens												
Entry No.	4	5	8	7	10	3	6	9	12	2	1	11

Breast Width

Toms												
Entry No.	4	1	6	8	2	7	9	5	3	10	11	12
Hens												
Entry No.	4	6	7	2	1	8	10	5	11	9	3	12

Body Depth

Toms												
Entry No.	1	12	11	2	3	9	6	10	7	4	5	8
Hens												
Entry No.	12	3	10	9	2	1	6	11	7	4	5	8

Keel Length

Toms												
Entry No.	12	3	1	4	11	10	2	9	7	5	6	8
Hens												
Entry No.	3	12	9	1	2	7	6	4	11	10	8	5

FIFTH MINNESOTA TURKEY MEAT PRODUCTION TEST

Statistical Significance of Differences Between Entries

Final Live Weight

Toms
Entry No. 1 8 3 13 2 5 10 16 12 18 7 15 4 11 9 17 6 14

Hens
Entry No. 1 12 8 10 2 3 13 7 11 5 18 16 4 17 6 15 9 14

Eviscerated Weight

Toms
Entry No. 1 8 3 13 2 10 5 7 16 18 12 11 4 15 9 17 6 14

Hens
Entry No. 1 8 12 10 2 7 3 13 5 18 11 16 4 6 17 15 9 14

Eviscerated Yield

Toms
Entry No. 7 8 17 6 1 2 18 16 11 13 12 9 3 4 14 5 15 10

Hens
Entry No. 8 7 1 6 18 5 4 10 2 3 17 12 16 9 13 11 14 15

Breast Width

Toms
Entry No. 1 3 8 18 9 7 2 6 5 10 17 13 11 12 4 16 14 15

Hens
Entry No. 1 3 2 8 6 18 9 7 10 13 5 11 16 12 17 4 14 15

Body Depth

Toms
Entry No. 13 12 16 1 11 4 15 2 8 7 18 17 3 10 5 9 14 6

Hens
Entry No. 12 13 11 1 15 4 17 7 16 10 2 8 18 5 3 9 14 6

Keel Length

Toms
Entry No. 5 4 15 16 2 13 1 10 8 12 17 7 11 14 6 18 3 9

Hens
Entry No. 4 1 16 10 12 15 5 8 13 17 11 2 7 18 3 14 6 9

FIFTH MINNESOTA TURKEY MEAT PRODUCTION TEST

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		8* WEEKS	12* WEEKS	20 WEEKS	22 WEEKS	25 WEEKS		METHOD 1	METHOD 2
1. Anderson Minnesota	Nordman	B	15.0	16.0	18.0	Toms Hens	4.8 9.8		23.0 16.6		30.8 18.1			
2. Anderson Mass.	Anderson	B	16.0	17.0	18.0	Toms Hens	4.5 9.1		21.1 14.6		27.8 15.8		Not reported	Not reported
3. Anderson Mass.	Blockbuster	W	0.0	1.0	3.0	Toms Hens	4.5 9.3		21.3 14.4		28.3 15.8			
4. Browning Kentucky	Browning	B	9.0	11.0	13.0	Toms Hens	4.3 8.7		20.3 13.3		26.5 14.9			
5. Gondring California	Gondring	B	11.0	16.0	18.0	Toms Hens	4.4 8.9		20.4 14.1		27.6 15.2			
6. Gozzi Connecticut	Gozzi	W	15.0	21.0	21.0	Toms Hens	4.0 8.4		18.7 13.4		25.2 14.8			
7. Hall California	Hall Manor	B	7.0	9.0	12.0	Toms Hens	4.5 8.8		20.3 14.6		26.9 15.7			
8. Janssen Michigan	Janssen JB-60B	B	14.0	14.0	14.0	Toms Hens	4.6 9.3		21.2 14.8		28.5 16.0			
9. Janssen Michigan	Janssen JB-60W	W	8.0	10.0	13.0	Toms Hens	4.1 8.6		19.2 13.3		26.0 14.5			
10. Land O' Lakes Minnesota	Kimber KB-33	B	5.0	5.0	7.0	Toms Hens	4.4 8.9		20.3 14.6		27.2 15.9			
11. Land O' Lakes Minnesota	Kimber KW-66	W	26.0	28.0	29.0	Toms Hens	4.5 9.2		20.3 14.3		26.5 15.3			
12. Nicholas California	Nicholas	B	16.0	20.0	21.0	Toms Hens	4.7 9.4		20.7 14.9		27.0 16.1			
13. Nicholas California	Nicholas	W	10.0	15.0	17.0	Toms Hens	4.8 9.8		21.4 14.6		28.1 15.7			
14. Ohio Exp. Sta. Ohio	Randombred	W	4.0	5.0	7.0	Toms Hens	3.8 7.8		17.6 11.8		23.6 12.9			
15. Pinetree Minnesota	Pinetree	B	2.0	4.0	4.0	Toms Hens	4.4 8.8		19.8 13.6		26.6 14.7			
16. Rusk Washington	Rusk Pure Strain	B	11.0	15.0	15.0	Toms Hens	4.3 8.7		20.4 14.1		27.1 15.1			
17. Sterling Minnesota	Hart- Schneider	B	12.0	16.0	16.0	Toms Hens	4.2 8.4		19.3 13.6		25.6 14.8			
18. Warren Mass.	Warren's Strain Cross	W	7.0	8.0	9.0	Toms Hens	4.2 8.3		20.1 14.0		27.0 15.2			
Average All Entries		B & W	10.4	12.8	14.2	Toms Hens	4.4 8.9		20.3 14.2		27.0 15.4			
Average Bronze Entries		B	10.7	13.0	14.2	Toms Hens	4.5 9.0		20.6 14.5		27.4 15.7			
Average White Entries		W	10.0	12.6	14.1	Toms Hens	4.3 8.8		19.8 13.7		26.4 14.9			

* Both sexes

FIFTH MINNESOTA TURKEY MEAT PRODUCTION TEST

EVisCERATED		BREAST WIDTH	BODY DEPTH	KEEL LENGTH	OVER-ALL QUALITY % U. S. GRADE			% U. S. GRADE A FOR:			PERCENT WITH:				ENTRANT
WEIGHT	YEILD				A	B	C	FLESHING	FINISH	FREEDOM OF PIN- FEATHERS	PENDU- LOUS CROP	ROACH BACK	LEG WEAK- NESS	BREAST BLISTERS	
(lbs)	(%)	INCHES	INCHES	INCHES											
25.6	83.1	4.5	10.2	7.8	88.6	---	11.4	100.0	100.0	100.0	---	2.0	---	6.0	1. Anderson
15.0	83.0	4.1	7.8	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Minnesota
23.0	82.9	4.0	10.0	8.0	91.4	---	8.6	100.0	100.0	100.0	---	2.0	---	4.0	2. Anderson
13.0	82.2	3.9	7.6	6.3	97.1	---	2.9	100.0	100.0	100.0	2.0	2.0	---	---	Mass.
23.3	82.2	4.4	10.0	7.4	91.1	---	6.7	100.0	97.8	100.0	---	2.0	---	2.0	3. Anderson
13.0	82.2	3.9	7.5	6.1	95.7	---	4.3	100.0	100.0	100.0	4.0	---	---	---	Mass.
21.8	82.2	3.6	10.1	8.0	92.5	---	7.5	97.5	97.5	97.5	---	---	---	4.0	4. Browning
12.2	82.3	3.5	7.8	6.5	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Kentucky
22.6	82.0	3.8	9.9	8.0	82.4	---	14.7	100.0	100.0	100.0	---	---	---	12.0	5. Gondring
12.6	82.5	3.7	7.6	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
20.9	83.1	3.9	9.7	7.5	90.0	5.0	5.0	97.5	97.5	100.0	---	6.0	2.0	2.0	6. Gozzi
12.2	82.6	3.8	7.4	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Connecticut
22.6	83.8	4.0	10.0	7.7	94.7	---	5.3	100.0	100.0	100.0	---	2.0	2.0	2.0	7. Hall
13.0	83.2	3.7	7.7	6.3	97.7	2.3	---	100.0	97.7	100.0	---	---	2.0	---	California
23.8	83.5	4.2	10.0	7.8	91.9	---	8.1	100.0	100.0	100.0	---	4.0	---	2.0	8. Janssen
13.4	83.3	3.8	7.6	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Michigan
21.4	82.3	4.1	9.8	7.4	90.2	---	9.8	100.0	100.0	100.0	---	4.0	---	4.0	9. Janssen
11.9	82.1	3.7	7.5	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Michigan
22.8	81.3	3.8	9.9	7.8	91.4	---	5.7	100.0	100.0	100.0	---	---	---	4.0	10. Land O' Lakes Minnesota
13.1	82.3	3.7	7.7	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	
21.9	82.5	3.7	10.1	7.7	96.2	3.8	---	100.0	100.0	100.0	---	2.0	---	---	11. Land O' Lakes Minnesota
12.5	81.6	3.7	7.9	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	
22.3	82.4	3.7	10.2	7.7	97.1	---	2.9	100.0	100.0	100.0	---	---	---	2.0	12. Nicholas
13.2	82.1	3.6	7.9	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
23.1	82.5	3.7	10.4	7.9	92.9	---	7.1	100.0	100.0	100.0	---	---	---	6.0	13. Nicholas
12.9	81.9	3.7	7.9	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
19.4	82.1	3.4	9.8	7.6	86.8	9.4	3.8	88.7	98.1	100.0	---	---	---	2.0	14. Ohio Exp. Sta. Ohio
10.5	81.1	3.5	7.5	6.0	97.3	2.7	---	97.3	100.0	100.0	---	---	---	---	
21.7	81.5	3.4	10.1	8.0	80.0	7.3	12.7	92.7	94.5	98.2	---	---	---	12.0	15. Pinetree
11.9	81.1	3.4	7.8	6.3	94.7	5.3	---	94.7	100.0	100.0	---	2.0	---	---	Minnesota
22.4	82.6	3.6	10.2	8.0	87.9	3.0	9.1	97.0	97.0	100.0	---	---	---	6.0	16. Rusk
12.4	82.1	3.6	7.7	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Washington
21.3	83.2	3.8	10.0	7.7	79.5	5.1	15.4	94.9	100.0	100.0	---	---	---	12.0	17. Sterling
12.1	82.1	3.5	7.7	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Minnesota
22.4	82.9	4.2	10.0	7.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	18. Warren
12.6	82.5	3.8	7.6	6.1	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Mass.
22.4	82.6	3.9	10.0	7.7	90.2	1.9	7.4	98.2	99.0	99.8	---	1.3	.2	4.6	Average All Entries
12.6	82.2	3.7	7.7	6.3	99.0	.6	.4	99.6	99.9	100.0	.3	.2	.1	---	
22.7	82.6	3.9	10.1	7.9	88.8	1.4	9.2	98.4	99.0	99.6	---	.9	.1	6.0	Average Bronze Entries
12.9	82.4	3.7	7.7	6.3	99.0	.7	.3	99.5	99.8	100.0	.2	.4	.2	---	
21.8	82.5	3.9	10.0	7.6	92.4	2.6	4.6	98.0	99.0	100.0	---	2.0	.3	2.3	Average White Entries
12.2	82.0	3.7	7.6	6.1	99.0	.4	.6	99.6	100.0	100.0	.6	---	---	---	

SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		WEEKS	12* WEEKS	WEEKS	22 WEEKS	WEEKS	26 WEEKS	METHOD 1	METHOD 2
1. Anderson Mass.	Anderson Blockbuster	W	4.0	6.0	10.0	Toms		9.1				26.9		
			4.0	4.0	12.0	Hens				15.3				
2. Browning Kentucky	Browning	B	12.0	20.0	22.0	Toms		8.3				26.6		
			10.0	14.0	22.0	Hens				14.1				
3. Gibbon Nebraska	Nebraska Hunter	B	4.0	6.0	8.0	Toms		9.3				28.1		
			2.0	4.0	8.0	Hens				15.3				
4. Gondring California	Gondring	B	4.0	6.0	16.0	Toms		8.6				27.2		
			2.0	4.0	12.0	Hens				14.5				
5. Gozzi Connecticut	Gozzi Line 300	W	10.0	10.0	16.0	Toms		8.4				25.7		
			2.0	2.0	12.0	Hens				14.0				
6. Hall California	Hall Manor	B	8.0	14.0	28.0	Toms		8.6				25.4		
			6.0	10.0	12.0	Hens				14.5				
7. Hart Oregon	Hart Schneider	B	8.0	12.0	22.0	Toms		8.7				25.5		
			2.0	4.0	10.0	Hens				14.1				
8. Hildebrand Nebraska	Hildebrand	B	12.0	16.0	16.0	Toms		9.3				29.8		
			2.0	2.0	10.0	Hens				15.2				
9. Janes Texas	Janes 212X(S. C.)	B	4.0	6.0	12.0	Toms		9.4				28.3		
			3.2	3.2	3.2	Hens				15.2				
10. Janssen Michigan	Janssen JB-60B	B	4.1	8.2	24.5	Toms		9.6				29.1		
			2.6	5.1	12.8	Hens				14.9				
11. Janssen Michigan	Janssen JB-60W	W	8.0	8.0	14.0	Toms		8.4				24.8		
			4.0	6.0	16.0	Hens				14.0				
12. Jerome Wisconsin	Jerome Superline 500	W	6.3	6.3	10.2	Toms		9.4				27.6		
			8.0	12.0	16.0	Hens				14.7				
13. Keithley California	Keithley (S. C.)	B	4.0	10.0	12.0	Toms		9.1				26.4		
			4.0	6.0	18.0	Hens				14.9				
14. Keithley California	Keithley	W	16.0	18.0	28.0	Toms		9.0				24.9		
			6.0	6.0	20.0	Hens				15.0				
15. Kimber California	Kimber KB-33	B	0.0	4.1	10.2	Toms		9.2				27.5		
			2.0	6.0	10.0	Hens				15.2				
16. Kimber California	Kimber KW-66	W	12.0	20.0	22.0	Toms		8.7				25.6		
			22.0	26.0	28.0	Hens				14.6				
17. Lyons Oregon	Lyons	B	2.0	2.0	18.4	Toms		9.1				24.5		
			4.0	4.0	14.0	Hens				14.4				

* Both sexes

SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

Eviscerated		Breast Width	Body Depth	Keel Length	Over-All Quality % U. S. Grade			% U. S. Grade A For:			Percent With:				Entrant	
Weight	Yield				Fleshing	Finish	Freedom of Pin- Feathers	Pendulous Crop	Roach Back	Leg Weak- ness	Breast Blisters					
(lbs)	(%)											A	B	C		
21.8	81.0	5.0	8.6	7.1	95.4	2.3	2.3	Not reported	Not reported	Not reported	---	---	---	---	1. Anderson	
12.3	80.7	4.1	6.9	5.8	97.7	---	---				---	---	---	---	---	Mass.
21.4	80.6	4.4	9.0	7.5	81.3	6.3	12.4				---	---	---	---	2. Browning	
11.3	80.2	3.6	7.0	6.0	89.7	---	7.7				---	---	---	---	Kentucky	
22.6	80.5	4.5	8.9	7.6	78.1	2.4	19.5				---	---	---	2.0	3. Gibbon	
12.1	79.5	3.7	7.0	6.0	97.5	---	2.5				---	---	---	---	Nebraska	
21.9	80.4	4.8	8.8	7.5	77.8	8.3	13.9				---	---	---	---	4. Gondring	
11.5	79.3	3.6	6.9	6.0	92.3	5.1	2.6				---	---	---	---	California	
20.9	81.1	5.0	8.6	7.2	89.7	2.6	7.7				---	---	---	---	5. Gozzi	
11.3	80.9	3.7	6.7	5.7	95.3	4.7	---				---	---	---	---	Connecticut	
20.5	80.9	4.9	8.6	7.3	83.9	3.2	9.7				---	---	---	---	6. Hall	
11.8	81.3	3.8	6.9	5.8	84.6	15.4	---				---	---	---	---	California	
20.8	81.6	4.6	8.8	7.5	86.1	2.8	11.1				---	---	---	---	7. Hart	
11.4	81.1	3.8	6.9	6.0	95.4	2.3	2.3				---	---	---	---	Oregon	
23.9	79.8	4.5	9.1	7.8	90.0	---	10.0				---	---	---	2.0	8. Hildebrand	
12.0	79.0	3.5	7.2	6.2	100.0	---	---				---	---	---	---	Nebraska	
22.9	81.1	4.8	8.9	7.7	97.6	2.4	---				2.0	---	---	4.0	9. Janes	
12.2	80.0	3.7	7.1	6.1	96.3	---	3.7				---	---	---	---	Texas	
23.8	82.1	5.1	8.8	7.5	77.8	5.6	16.6				---	---	---	---	10. Janssen	
12.2	81.7	4.0	6.8	5.9	93.8	3.1	3.1				---	---	---	---	Michigan	
19.8	80.0	4.7	8.7	7.0	81.6	5.3	13.1				2.0	---	---	---	11. Janssen	
11.2	80.0	3.8	6.8	5.7	95.0	---	2.5				---	---	---	---	Michigan	
22.2	80.5	4.6	8.8	7.5	82.5	---	17.5				---	---	---	10.4	12. Jerome	
11.6	79.0	3.6	6.9	6.0	100.0	---	---				---	---	---	---	Wisconsin	
21.4	81.1	4.8	8.6	7.3	92.7	---	7.3				---	---	---	2.0	13. Keithley	
12.0	80.4	4.0	6.9	5.9	81.6	10.5	7.9				---	---	---	---	California	
20.1	80.9	4.8	8.6	7.2	84.4	3.1	12.5				---	---	---	6.0	14. Keithley	
12.2	81.3	3.9	7.1	5.9	97.5	2.5	---				---	---	---	---	California	
22.3	81.2	4.8	8.6	7.5	90.2	---	9.8				---	---	---	2.0	15. Kimber	
12.2	80.3	3.8	6.9	6.1	93.3	6.7	---				---	---	---	---	California	
20.6	80.1	4.4	8.8	7.2	85.3	8.8	5.9				---	---	---	4.0	16. Kimber	
11.4	78.6	3.7	6.9	5.8	92.9	7.1	---				---	---	---	---	California	
19.9	81.2	4.9	8.6	7.2	86.8	5.3	7.9				---	---	---	2.0	17. Lyons	
11.7	81.2	4.0	6.7	5.8	90.3	7.3	2.4				---	---	---	---	Oregon	

SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		WEEKS	12* WEEKS	WEEKS	22 WEEKS	WEEKS	26 WEEKS	METHOD 1	METHOD 2
18. Menefee Oregon	Menefee	B	10.0 4.2	10.0 8.3	32.0 20.8	Toms Hens		8.5				24.1		
19. Miller Canada	Ploen	B	6.0 4.4	8.0 6.7	8.0 20.0	Toms Hens		9.0				26.7	Not reported	Not reported
20. Nicholas California	Nicholas	B	6.0 6.0	10.0 6.0	2.0 6.0	Toms Hens		9.3				28.4		
21. Nicholas California	Nicholas	W	12.0 18.0	16.0 24.0	18.0 30.0	Toms Hens		9.7				28.3		
22. Norbest Utah	Norbest Hunter	B	6.0 0.0	10.0 2.0	16.0 10.0	Toms Hens		9.2				28.2		
23. Rusk Washington	Rusk Pure Strain	B	12.2 4.0	18.4 4.0	18.4 10.0	Toms Hens		8.5				27.1		
24. Segars California	Segars	W	6.0 2.0	10.0 4.0	16.0 12.0	Toms Hens		9.5				28.1		
25. Waite Arkansas	Waite's Kingsize	B	2.0 4.0	6.0 4.0	6.0 10.0	Toms Hens		9.2				28.4		
26. Warren Mass.	Warren's Strain Cross	W	8.0 4.0	8.0 6.0	10.0 8.0	Toms Hens		8.9				26.2		
27. Washore Oregon	Hamilton 500	B	4.0 4.0	6.0 4.0	20.0 10.0	Toms Hens		9.2				29.8		
28. Welkona Iowa	Welkona	B	14.0 8.0	16.0 10.0	16.0 20.0	Toms Hens		9.1				30.6		
29. Wenzel Illinois	Wenzel	B	0.0 0.0	2.0 2.0	6.0 10.0	Toms Hens		9.0				26.9		
30. Wilford Ohio	Wilford 4C94	W	4.0 8.0	6.0 8.0	10.0 18.0	Toms Hens		8.3				25.6		
Average All Entries		B & W	7.0 5.1	10.0 6.9	16.2 14.0	Toms Hens		9.0				27.2		
Average Bronze Entries		B	6.2 3.7	9.5 5.5	16.5 12.4	Toms Hens		9.0				27.6		
Average White Entries		W	8.6 7.8	10.8 9.8	15.6 17.2	Toms Hens		8.9				26.4		

* Both sexes

SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

Eviscerated		Breast Width	Body Depth	Keel Length	Over-All Quality % U. S. Grade			% U. S. Grade A For:			Percent With:				Entrant
Weight	Yield				A	B	C	Fleshing	Finish	Freedom of Pin-Feathers	Pendulous Crop	Roach Back	Leg Weakness	Breast Blisters	
(lbs)	(%)	Inches	Inches	Inches											
20.0	82.8	5.1	8.5	7.0	96.7	3.3	---				---	---	---	---	18. Menefee
11.8	82.9	4.1	6.7	5.8	100.0	---	---				---	---	---	---	Oregon
21.7	81.3	4.5	8.8	7.5	79.1	7.0	13.9	Not reported	Not reported	Not reported	---	---	---	4.0	19. Miller
11.8	79.6	3.6	7.0	6.1	86.7	10.0	3.3				---	---	---	---	Canada
22.9	80.7	4.9	9.2	7.5	86.1	2.8	11.1				---	---	---	2.0	20. Nicholas
12.7	81.0	3.8	7.0	6.1	89.5	7.9	2.6				---	---	---	---	California
22.5	80.0	4.7	8.9	7.4	62.2	5.4	32.4				---	---	---	4.0	21. Nicholas
12.4	79.7	3.8	7.1	6.0	93.9	6.1	---				---	---	---	---	California
22.7	80.4	4.9	8.7	7.5	72.8	3.0	24.2				---	---	---	---	22. Norbest
11.7	80.0	3.8	6.8	6.0	83.3	14.3	2.4				---	---	---	---	Utah
21.9	80.8	4.6	8.9	7.5	97.3	---	2.7				---	---	---	---	23. Rusk
11.4	79.2	3.5	6.9	6.1	92.7	7.3	---				---	---	---	---	Washington
22.4	79.9	4.6	8.7	7.5	78.6	2.4	19.0				---	---	---	2.0	24. Segars
11.9	79.9	3.7	7.0	6.0	95.4	2.3	2.3				---	---	---	---	California
22.2	79.7	4.5	9.1	8.0	79.5	9.1	11.4				---	---	---	6.0	25. Waite
11.7	79.9	3.4	7.2	6.2	92.9	7.1	---				---	---	---	---	Arkansas
21.0	80.4	5.1	8.5	6.9	85.0	2.5	12.5				---	---	---	---	26. Warren
11.7	79.3	4.0	6.8	5.7	100.0	---	---				---	---	---	---	Mass.
24.1	81.0	5.1	8.9	7.8	87.5	---	12.5				---	---	---	2.0	27. Washore
12.4	80.2	3.8	7.0	6.2	88.4	11.6	---				---	---	---	---	Oregon
24.7	80.7	4.6	9.3	8.0	94.2	---	2.9				---	---	---	---	28. Welkona
12.0	78.3	3.4	7.2	6.3	91.9	5.4	2.7				---	---	---	---	Iowa
21.7	80.8	4.8	8.9	7.4	82.6	10.9	6.5				---	---	---	2.0	29. Wenzel
11.8	80.2	3.8	6.9	6.0	92.1	7.9	---				---	---	---	---	Illinois
20.7	80.7	5.1	8.3	7.2	95.2	2.4	2.4				---	---	---	2.0	30. Wilford
11.1	81.2	3.9	6.7	5.7	100.0	---	---				---	---	---	---	Ohio
21.8	80.8	4.8	8.8	7.4	85.3	3.6	11.0				.1	---	---	2.0	Average All Entries
11.8	80.2	3.8	6.9	6.0	93.3	4.8	1.6				---	---	---	---	
22.2	80.9	4.8	8.9	7.5	85.9	3.6	10.2				.1	---	---	1.5	Average Bronze Entries
11.9	80.3	3.7	7.0	6.0	91.6	6.1	2.2				---	---	---	---	
21.2	80.5	4.8	8.7	7.2	84.0	3.5	12.5				.2	---	---	2.8	Average White Entries
11.7	80.1	3.8	6.9	5.8	96.8	2.3	.5				---	---	---	---	

SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF NEBRASKA

Statistical Significance of Differences Between Entries

Final Live Weight

Toms
Entry No. 28 8 27 10 20 25 9 21 22 3 24 12 15 4 23 1 29 19 2 13 26 5 30 16 7 6 14 11 17 18

Hens
Entry No. 20 21 27 28 1 3 9 8 15 24 14 10 13 29 19 12 26 25 22 16 6 4 17 23 18 7 2 5 11 30

Eviscerated Weight

Toms
Entry No. 28 27 8 10 20 9 22 3 21 24 15 25 12 23 4 1 19 29 2 13 26 5 7 30 15 6 14 18 17 11

Hens
Entry No. 20 27 21 1 9 10 14 15 3 8 13 28 24 18 6 29 19 22 17 26 25 12 4 16 7 23 5 2 11 30

Eviscerated Yield

Toms
Entry No. 18 10 7 19 17 15 5 9 13 1 27 14 6 23 29 28 20 30 2 3 4 12 26 22 16 11 21 24 8 25

Hens
Entry No. 18 10 14 6 17 30 7 20 5 1 13 15 29 27 2 9 22 11 25 24 21 19 3 26 4 23 8 12 16 28

Breast Width

Toms
Entry No. 18 27 10 26 30 1 5 22 20 17 6 14 9 29 13 15 4 21 11 28 24 12 7 23 8 3 25 19 16 2

Hens
Entry No. 1 18 10 13 17 26 14 30 6 15 11 20 27 22 7 29 21 5 3 9 16 24 12 4 19 2 23 8 28 25

Body Depth

Toms
Entry No. 28 20 8 25 2 3 27 29 23 9 21 12 16 19 7 10 4 22 24 11 5 6 15 17 1 14 13 18 26 30

Hens
Entry No. 28 25 8 9 14 21 20 27 2 19 24 3 12 7 23 29 6 15 4 13 1 16 22 10 26 11 5 17 18 30

Keel Length

Toms
Entry No. 25 28 27 8 9 3 19 2 4 20 12 15 24 10 22 7 23 29 21 13 6 30 14 16 5 17 1 11 18 26

Hens
Entry No. 28 27 8 25 9 20 19 23 15 3 4 7 29 21 2 22 24 12 10 14 13 6 16 18 17 1 26 5 30 11

FIRST NORTH CAROLINA RANDOM SAMPLE TURKEY TEST

Statistical Significance of Differences Between Entries

Final Live Weight

Entry No.	Toms	4	8	10	1	5	6	2	3	9	7
Entry No.	Hens	4	8	6	1	2	10	5	3	9	7

Eviscerated Weight

Entry No.	Toms	4	8	10	6	1	5	2	3	9	7
Entry No.	Hens	4	8	6	1	2	10	5	3	9	7

Eviscerated Yield

Entry No.	Toms	6	8	4	3	7	10	5	1	2	9
Entry No.	Hens	4	5	3	6	7	1	9	8	2	10

Breast Width

Entry No.	Toms	4	1	5	6	3	8	10	7	9	2
Entry No.	Hens	4	1	6	3	8	5	2	7	10	9

Body Depth

Entry No.	Toms	2	8	10	6	5	9	4	1	3	7
Entry No.	Hens	2	6	10	8	4	9	5	1	3	7

Keel Length

Entry No.	Toms	2	6	8	10	4	3	9	5	1	7
Entry No.	Hens	6	2	4	8	10	9	1	3	5	7

FIRST NORTH CAROLINA RANDOM SAMPLE TURKEY TEST

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		WEEKS	12 WEEKS	WEEKS	21 WEEKS	24 WEEKS	WEEKS	METHOD 1	METHOD 2
1. Anderson Mass.	Blockbuster	W	2.0	3.0	13.0	Toms Hens		9.7 7.5		14.2	24.3		3.58	3.53
2. Browning Kentucky	Browning	B	1.0	2.0	15.6	Toms Hens		9.2 7.4		14.1	23.5		3.92	3.65
3. Gozzi Connecticut	Gozzi	W	0	1.0	6.8	Toms Hens		9.5 7.2		13.1	22.8		3.85	3.74
4. Janssen Michigan	Janssen JB-60B	B	4.1	4.1	5.6	Toms Hens		10.8 8.6		15.6	25.8		3.79	3.76
5. Janssen Michigan	Janssen JB-60W	W	4.0	6.0	6.0	Toms Hens		9.6 7.6		13.4	23.9		3.75	3.70
6. Johnson N. Carolina	Johnson	B	0	1.0	1.0	Toms Hens		9.9 8.0		14.4	23.7		3.75	3.75
7. Marston Florida	Marston's Small Broadwhite	W	6.2	6.2	8.4	Toms Hens		8.0 5.9		9.7	17.9		4.23	4.17
8. Nicholas California	Nicholas	W	1.0	3.0	4.0	Toms Hens		11.0 8.4		14.6	25.0		4.02	3.96
9. Ohio Exp. Sta. Ohio	Randombred	W	0	0	2.8	Toms Hens		8.6 7.0		12.5	21.0		3.81	3.70
10. Segars California	Segars	W	3.0	4.0	20.0	Toms Hens		9.3 7.3		14.0	24.9		4.03	3.92
Average All Entries		B & W	2.2	3.2	8.3	Toms Hens		9.5 7.5		13.6	23.3		3.79	3.87
Average Bronze Entries		B	1.7	2.4	7.4	Toms Hens		10.0 8.0		14.7	24.3		3.82	3.72
Average White Entries		W	2.3	3.3	8.7	Toms Hens		9.4 7.3		13.1	22.8		3.90	3.82

FIRST NORTH CAROLINA RANDOM SAMPLE TURKEY TEST

Eviscerated		Breast Width	Body Depth	Keel Length	Over-All Quality % U. S. Grade			% U. S. Grade A For:			Percent With:				Entrant
Weight	Yield				A	B	C	Fleshing	Finish	Freedom of Pin- Feathers	Pendulous Crop	Roach Back	Leg Weak- ness	Breast Blisters	
(lbs)	(%)														
19.8	81.6	4.6	8.5	6.9	82.1	5.0	10.2	100.0	100.0	100.0	6.0	---	---	4.0	1. Anderson Mass.
11.5	81.1	4.4	6.7	5.8	94.9	---	5.1	100.0	100.0	100.0	3.9	---	---	---	
19.1	81.1	3.7	9.1	7.7	42.4	25.7	31.9	91.7	82.3	100.0	6.0	---	---	18.0	2. Browning Kentucky
11.4	80.6	4.1	7.1	6.1	82.5	7.5	10.0	100.0	100.0	100.0	8.2	---	---	---	
18.9	82.9	4.3	8.5	7.0	82.2	10.0	7.8	97.5	95.0	97.5	---	2.0	---	5.9	3. Gozzi Connecticut
10.7	81.6	4.3	6.6	5.8	92.3	---	5.3	100.0	100.0	100.0	2.1	---	2.1	---	
21.5	83.5	5.0	8.6	7.2	62.5	10.8	26.6	100.0	100.0	100.0	---	5.4	---	21.6	4. Janssen Michigan
12.8	82.0	4.7	6.8	5.9	75.9	19.1	5.0	100.0	100.0	100.0	8.4	---	---	---	
19.5	81.8	4.4	8.6	6.9	80.0	10.0	7.5	100.0	97.5	100.0	4.2	2.1	---	6.3	5. Janssen Michigan
11.0	81.7	4.2	6.8	5.7	92.5	5.0	2.5	100.0	100.0	100.0	1.9	1.9	---	---	
19.8	83.7	4.3	8.8	7.4	60.8	15.2	23.9	94.7	100.0	100.0	2.1	---	---	8.3	6. Johnson N. C.
11.7	81.6	4.4	7.0	6.1	87.7	5.0	7.3	100.0	100.0	100.0	3.8	---	---	---	
14.7	82.1	3.8	7.7	6.6	82.8	14.8	2.4	97.6	95.3	100.0	2.1	---	---	6.3	7. Marston Florida
7.8	81.2	4.0	5.9	5.3	92.4	7.6	---	100.0	100.0	100.0	---	4.1	---	2.1	
20.9	83.6	4.1	9.1	7.3	68.4	18.4	13.2	97.4	94.7	100.0	---	2.2	4.3	10.9	8. Nicholas California
11.8	81.0	4.3	7.0	6.0	92.9	---	7.2	100.0	100.0	100.0	5.6	---	---	---	
17.0	81.0	3.8	8.6	7.1	66.9	15.6	17.5	96.9	83.7	100.0	---	2.8	---	10.5	9. Ohio Exp. Sta. Ohio
10.1	81.1	3.8	6.8	5.9	85.8	8.7	5.5	94.1	100.0	100.0	5.9	---	---	---	
20.4	82.0	3.9	9.0	7.3	73.5	12.4	11.4	96.5	97.4	100.0	---	---	---	---	10. Segars California
11.3	80.4	3.9	7.0	5.9	90.7	4.6	4.6	97.6	100.0	100.0	3.8	---	---	1.9	
19.2	82.3	4.2	8.7	7.1	70.2	13.8	15.2	97.2	94.6	99.8	2.0	1.5	.4	10.3	Average All Entries
11.0	81.2	4.2	6.8	6.0	88.8	5.8	5.3	99.2	100.0	100.0	4.4	.6	.2	.4	
20.1	82.8	4.3	8.8	7.4	55.2	17.2	27.5	95.5	94.1	100.0	2.7	1.8	---	16.0	Average Bronze Entries
12.0	81.4	4.4	7.0	6.0	82.0	10.5	7.4	100.0	100.0	100.0	6.8	---	---	---	
18.7	82.1	4.1	8.6	7.0	76.6	12.3	10.0	98.0	94.8	99.6	1.8	1.3	.6	7.8	Average White Entries
10.6	82.2	4.1	6.7	5.8	91.6	3.7	4.3	98.8	100.0	100.0	3.3	.9	.3	.6	

NORTH DAKOTA CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		WEEKS	12* WEEKS	WEEKS	WEEKS	22 WEEKS	25 WEEKS	METHOD 1	METHOD 2
1. Anderson Mass.	Anderson	B	8.0	9.0	11.0	Toms Hens		8.6			23.6 16.4	27.6		
2. Browning Kentucky	Browning	B	6.0	8.0	10.0	Toms Hens		8.0			21.4 14.2	24.7	Not reported	Not reported
3. Gozzi Conn.	Gozzi	W	15.0	15.0	16.0	Toms Hens		7.3			20.1 13.4	23.5		
4. Janssen Michigan	JB 60B	B	14.0	14.0	18.0	Toms Hens		7.9			21.5 15.3	25.6		
5. Janssen Michigan	JB 60W	W	6.0	6.0	7.0	Toms Hens		7.5			20.5 13.6	24.1		
6. Land O' Lakes No. Dakota	KB 33	B	1.0	5.0	6.0	Toms Hens		7.6			21.2 14.6	24.8		
7. Nicholas California	Nicholas	B	6.0	8.0	11.0	Toms Hens		7.9			21.0 14.6	24.6		
8. Nicholas California	Nicholas	W	6.0	6.0	8.0	Toms Hens		8.6			21.4 14.9	25.2		
9. Nokota No. Dakota	Nicholas	W	2.4	7.1	9.4	Toms Hens		8.6			21.3 14.6	25.3		
10. Ohio Exp. Sta. Ohio	Randombred	W	1.0	2.0	2.0	Toms Hens		6.8			18.3 12.1	21.3		
11. Segars California	Segars	W	2.0	3.0	3.0	Toms Hens		7.8			20.5 14.3	24.0		
12. Warren Mass.	Warren's Strain Cross	W	6.0	8.0	9.0	Toms Hens		7.6			20.7 14.2	24.6		
13. Washore Oregon	Hamilton 300	B	7.0	8.0	11.0	Toms Hens		8.1			21.4 15.2	25.2		
Average All Entries		B & W	6.2	7.7	9.3	Toms Hens		7.8			21.0 14.4	24.7		
Average Bronze Entries		B	7.0	8.7	11.2	Toms Hens		8.0			21.7 15.1	25.4		
Average White Entries		W	5.5	6.9	7.8	Toms Hens		7.7			20.4 13.9	24.0		

*Both sexes

NORTH DAKOTA CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Eviscerated		Breast Width	Body Depth	Keel Length	Over-All Quality % U. S. Grade			% U. S. Grade A For:			Percent With:				Entrant
Weight	Yield				A	B	C	Fleshing	Finish	Freedom of Pin-Feathers	Pendulous Crop	Roach Back	Leg Weakness	Breast Blisters	
(lbs)	(%)	Inches	Inches	Inches											
22.7	82.4	6.1	8.8	7.6	95.1	2.4	2.4	100.0	100.0	100.0	2.0	---	---	2.0	1. Anderson
13.2	80.3	4.8	7.1	6.2	95.7	---	4.3	100.0	100.0	100.0	4.0	---	---	---	Mass.
20.1	81.4	5.2	8.9	7.6	100.0	---	---	100.0	100.0	100.0	---	---	---	---	2. Browning
11.3	79.6	4.1	7.1	6.2	97.2	2.8	---	100.0	97.2	100.0	---	---	---	---	Kentucky
19.2	81.7	5.3	8.7	7.2	97.5	---	2.5	100.0	97.5	100.0	2.0	---	---	---	3. Gozzi
10.8	80.6	4.2	7.0	6.0	94.6	---	5.4	97.3	97.3	100.0	4.0	2.0	---	---	Conn.
20.8	81.3	5.9	8.7	7.3	94.7	---	5.3	100.0	100.0	100.0	4.0	---	---	---	4. Janssen
12.4	80.9	4.7	7.0	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Michigan
19.8	82.2	5.6	8.6	7.0	97.4	2.6	---	100.0	100.0	100.0	---	2.0	---	---	5. Janssen
11.1	81.2	4.3	6.9	5.8	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Michigan
20.3	82.0	5.4	8.7	7.4	97.4	2.6	---	100.0	100.0	100.0	---	2.0	---	---	6. Land O' Lakes
11.7	80.1	4.4	6.9	6.1	94.6	1.8	3.6	100.0	100.0	100.0	---	2.0	---	---	No. Dakota
20.0	81.4	5.2	8.8	7.3	97.2	---	2.8	100.0	97.2	100.0	---	---	2.0	---	7. Nicholas
11.6	79.2	4.2	7.0	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
20.5	81.4	5.2	9.0	7.4	94.6	---	5.4	100.0	97.3	100.0	---	2.0	---	---	8. Nicholas
11.8	79.6	4.3	7.1	6.0	93.3	---	6.7	100.0	100.0	100.0	4.0	2.0	---	---	California
20.7	81.9	5.1	9.0	7.3	97.5	---	2.5	100.0	100.0	100.0	---	2.4	---	---	9. Nokota
11.7	80.1	4.2	7.1	6.1	97.2	---	2.8	100.0	100.0	100.0	2.4	---	---	---	No. Dakota
17.4	81.6	4.7	8.6	7.1	100.0	---	---	100.0	100.0	100.0	---	---	---	---	10. Ohio Exp. Station
9.9	79.4	3.7	6.9	5.9	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Ohio
19.7	82.0	5.2	8.8	7.3	97.6	---	2.4	100.0	100.0	100.0	---	---	---	2.0	11. Segars
11.6	80.8	4.2	7.1	6.1	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
19.9	81.1	5.6	8.7	7.0	97.6	---	2.4	100.0	100.0	100.0	---	2.0	---	---	12. Warren
11.6	81.4	4.4	7.0	5.8	97.7	2.3	---	100.0	100.0	100.0	---	2.0	---	---	Mass.
20.8	82.6	5.8	8.7	7.3	95.7	4.3	---	97.9	100.0	97.9	---	---	2.0	---	13. Washore
12.1	79.7	4.5	7.0	6.0	97.4	---	2.6	100.0	100.0	100.0	2.0	---	---	---	Oregon
20.1	81.8	5.4	8.8	7.3	97.1	.9	2.0	99.8	99.2	99.8	.6	.8	.3	.3	Average
11.6	80.2	4.3	7.0	6.0	97.5	.5	2.0	99.8	99.6	100.0	1.3	.6	---	---	All Entries
20.8	81.9	5.6	8.8	7.4	96.7	1.6	1.8	99.7	99.5	99.7	1.0	.3	.7	.3	Average
12.1	80.0	4.5	7.0	6.1	97.5	.7	1.8	100.0	99.5	100.0	1.0	.3	---	---	Bronze Entries
19.6	81.7	5.2	8.8	7.2	97.5	.4	2.2	100.0	98.9	100.0	.3	1.2	---	.3	Average
11.2	80.4	4.2	7.0	6.0	97.5	.3	2.1	99.6	99.6	100.0	1.5	.9	---	---	White Entries

NORTH DAKOTA CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Statistical Significance of Differences Between Entries

Final Live Weight

Entry No.	Toms	1	4	9	8	13	6	2	7	12	5	11	3	10
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Entry No.	Hens	1	4	13	8	7	6	9	11	2	12	5	3	10
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Eviscerated Weight

Entry No.	Toms	1	4	13	9	8	6	12	2	7	5	11	3	10
-----------	------	---	---	----	---	---	---	----	---	---	---	----	---	----

Entry No.	Hens	1	4	13	8	6	9	7	12	11	2	5	3	10
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Eviscerated Yield

Entry No.	Toms	13	1	12	5	8	11	6	9	3	10	7	2	4
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Entry No.	Hens	12	5	4	3	10	11	1	6	9	13	8	2	7
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Breast Width

Entry No.	Toms	1	4	13	5	12	6	3	11	2	7	8	9	10
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Entry No.	Hens	1	4	13	12	6	5	8	7	3	9	11	2	10
-----------	------	---	---	----	----	---	---	---	---	---	---	----	---	----

Body Depth

Entry No.	Toms	9	8	2	1	7	11	3	12	4	6	13	5	10
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Entry No.	Hens	2	11	8	1	9	7	13	4	3	12	6	5	10
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Keel Length

Entry No.	Toms	2	1	6	7	8	4	9	11	13	3	10	12	5
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Entry No.	Hens	2	1	6	9	11	7	4	8	13	3	10	12	5
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SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA

Statistical Significance of Differences Between Entries

Final Live Weight

Entry No.	18	1	12	7	13	17	3	6	10	11	9	15	2	8	4	16	5	14
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Hens

Entry No.	7	18	10	6	3	13	9	12	1	11	4	2	17	15	8	16	5	14
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Eviscerated Weight

Entry No.	18	7	1	13	12	17	10	3	6	11	15	9	2	4	8	5	16	14
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Hens

Entry No.	7	18	10	6	3	13	9	11	12	1	15	17	4	2	8	16	5	14
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Eviscerated Yield

Dressing percentage was reported by entries only, not by individual birds, therefore this method of analysis could not be applied.

Breast Width

Entry No.	15	10	1	13	6	7	11	5	9	17	18	8	4	3	12	14	2	16
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Hens

Entry No.	15	18	7	10	1	13	3	17	9	5	6	8	14	11	12	2	16	4
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Body Depth

Entry No.	12	4	11	16	7	9	18	8	6	13	17	3	1	10	2	5	14	15
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Hens

Entry No.	12	18	16	2	9	3	4	7	11	6	13	17	10	1	14	8	15	5
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Keel Length

Entry No.	2	3	12	11	6	10	9	13	18	5	7	16	4	15	1	14	17	8
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Hens

Entry No.	3	10	13	7	18	6	9	2	15	11	5	16	12	4	14	8	1	17
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SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		8 WEEKS	12 WEEKS	16 WEEKS	22 WEEKS	25 WEEKS	28 WEEKS	* METHOD 1	* METHOD 2
1. Anderson Mass.	Anderson Blockbuster	W	6.1	6.1	10.2	Toms	3.7	8.9		24.7	29.3		3.34	3.29
						Hens	3.1	7.3		16.1				
2. Browning Kentucky	Browning	B	1.7	2.5	2.5	Toms	4.1	9.3		24.1	27.5		3.72	3.72
						Hens	3.6	7.4		15.8				
3. Ephrata Penna.	Hamilton 300	B	2.5	3.3	7.3	Toms	4.1	9.2		25.0	28.5		3.73	3.71
						Hens	3.6	8.0		16.4				
4. Ephrata Penna.	Segars	W	.0	.8	3.8	Toms	3.6	8.9		22.7	27.4		3.57	3.50
						Hens	3.3	7.4		15.8				
5. Gozzi Connecticut	Gozzi 200	W	2.5	2.5	4.5	Toms	3.9	8.8		22.8	26.7		3.55	3.50
						Hens	2.9	6.7		14.6				
6. Hall California	Hall Manor	B	1.7	1.7	5.7	Toms	4.2	9.5		24.9	28.4		3.54	3.48
						Hens	3.6	7.6		16.6				
7. Janssen Michigan	Janssen JB-60B	B	5.5	5.5	8.4	Toms	4.1	9.4		25.7	29.1		3.55	3.49
						Hens	3.4	7.5		17.2				
8. Janssen Michigan	Janssen JB-60W	W	1.7	2.5	4.5	Toms	3.5	8.7		23.5	27.5		3.43	3.39
						Hens	2.9	6.9		15.2				
9. Meadowbrook California	Meadowbrook	B	0.9	0.9	1.9	Toms	4.1	9.3		24.1	27.8		3.65	3.61
						Hens	3.5	7.4		16.3				
10. Menefee Oregon	Menefee	B	5.5	5.5	6.5	Toms	4.3	9.7		24.8	28.4		3.56	3.52
						Hens	3.6	8.0		16.7				
11. Nicholas California	Nicholas	B	2.6	3.5	3.5	Toms	3.9	9.2		24.0	28.2		3.55	3.55
						Hens	3.4	7.5		16.1				
12. Nicholas California	Nicholas	W	3.4	4.3	5.3	Toms	4.3	10.0		25.2	29.2		3.76	3.73
						Hens	3.8	7.8		16.2				
13. Palmateer Penna.	Rose-A-Linda	B	1.9	4.7	5.7	Toms	4.0	9.5		24.7	28.8		3.39	3.37
						Hens	3.3	7.5		16.3				
14. Shaw Mass.	Shaw's	W	1.8	1.8	3.8	Toms	3.3	8.4		25.5	26.2		3.55	3.50
						Hens	2.9	7.1		14.3				
15. Shearer Penna.	Shearer	B	.0	.0	2.0	Toms	4.0	8.9		24.1	27.6		3.43	3.40
						Hens	3.3	7.0		15.7				
16. Wampler Virginia	Wampler's Big Whites	W	.0	2.5	4.5	Toms	3.3	8.4		23.1	26.9		3.70	3.67
						Hens	3.1	6.9		14.8				
17. Warren Mass.	Warren's Strain Cross	W	5.0	8.0	11.2	Toms	3.4	7.8		24.4	28.8		3.42	3.37
						Hens	3.0	7.1		15.7				
18. Wila Penna.	Keithley Cross (S. C.)	B	.9	1.8	4.8	Toms	4.4	10.1		25.7	29.7		3.45	3.41
						Hens	3.6	7.9		17.1				
Average All Entries		B & W	2.4	3.2	5.3	Toms	3.9	9.1		24.4	28.1		3.55	3.51
						Hens	3.3	7.4		15.9				
Average Bronze Entries		B	2.3	2.9	4.8	Toms	4.1	9.4		24.7	28.4		3.56	3.53
						Hens	3.5	7.6		16.4				
Average White Entries		W	2.6	3.6	6.0	Toms	3.6	8.7		24.0	27.8		3.54	3.49
						Hens	3.1	7.2		15.3				

*Both Sexes

SIXTH CENTRAL TURKEY MEAT PRODUCTION TEST OF PENNSYLVANIA

Eviscerated		Breast Width	Body Depth	Keel Length	Over-All Quality % U. S. Grade			% U. S. Grade A For:			Percent With:				Entrant
Weight	Yield				A	B	C	Fleshing	Finish	Freedom of Pin-Feathers	Pendulous Crop	Roach Back	Leg Weakness	Breast Blisters	
(lbs)	(%)	Inches	Inches	Inches											
24.0	82.0	7.3	8.6	7.3	91.9	8.1	---	97.3	94.6	100.0	---	---	4.0	---	1. Anderson
13.1	81.2	6.0	6.8	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Mass.
22.5	81.9	5.8	8.5	8.4	86.0	14.0	---	100.0	88.0	96.0	---	---	6.0	2.0	2. Browning
12.7	80.5	5.3	7.1	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Kentucky
23.7	83.0	6.3	8.6	8.0	93.3	6.7	---	97.8	93.3	97.8	2.0	2.0	2.0	---	3. Ephrata
13.6	83.0	5.8	7.0	6.7	98.0	2.0	---	100.0	100.0	98.0	---	---	---	---	Penna.
22.4	81.5	6.4	8.9	7.6	91.5	8.5	---	100.0	91.5	100.0	---	4.0	4.0	---	4. Ephrata
12.7	80.6	5.2	7.0	6.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Penna.
22.0	82.2	6.8	8.5	7.6	96.0	4.0	---	100.0	96.0	100.0	---	---	2.0	---	5. Gozzi
11.9	81.4	5.7	6.6	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Connecticut
23.5	82.8	6.9	8.7	7.7	82.6	17.4	---	95.7	82.6	100.0	---	4.0	8.0	---	6. Hall
13.6	82.0	5.7	6.9	6.5	88.0	12.0	---	100.0	98.0	90.0	---	---	---	---	California
24.5	84.0	6.8	8.8	7.6	93.9	6.1	---	100.0	97.0	97.0	---	2.0	---	---	7. Janssen
14.2	82.7	6.0	7.0	6.5	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Michigan
22.4	81.4	6.5	8.8	7.2	96.0	4.0	---	100.0	96.0	100.0	---	---	4.0	---	8. Janssen
12.3	81.2	5.6	6.7	6.1	95.8	4.2	---	95.8	100.0	100.0	---	2.0	---	---	Michigan
22.9	82.4	6.7	8.8	7.7	89.8	10.2	---	100.0	91.8	98.0	2.0	---	6.0	---	9. Meadowbrook
13.3	81.5	5.7	7.0	6.5	94.0	6.0	---	98.0	96.0	100.0	---	2.0	---	---	California
23.7	83.3	7.3	8.6	7.7	93.8	4.2	---	97.9	97.9	100.0	---	2.0	2.0	---	10. Menefee
13.8	82.4	6.0	6.8	6.5	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Oregon
23.4	82.9	6.8	8.9	7.7	93.9	6.1	---	98.0	95.9	100.0	---	4.0	2.0	---	11. Nicholas
13.2	81.7	5.5	7.0	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
23.8	81.6	6.1	9.2	7.8	93.9	6.1	---	100.0	95.9	98.0	---	---	2.0	2.0	12. Nicholas
13.1	81.2	5.4	7.1	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
23.9	82.9	7.0	8.7	7.7	94.0	6.0	---	100.0	98.0	96.0	---	2.0	---	---	13. Palmateer
13.5	82.6	6.0	6.9	6.5	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Penna.
21.8	83.0	6.0	8.5	7.3	100.0	---	---	100.0	100.0	100.0	---	---	---	---	14. Shaw
11.7	81.8	5.6	6.8	6.2	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Mass.
22.1	83.8	7.4	8.4	7.5	91.8	8.2	---	100.0	95.9	95.9	---	---	4.0	---	15. Shearer
13.1	83.2	6.3	6.6	6.4	95.9	4.1	---	100.0	98.0	98.0	---	---	---	---	Penna.
21.9	81.4	5.4	8.8	7.6	100.0	---	---	100.0	100.0	100.0	---	---	---	---	16. Wampler
12.0	81.1	5.2	7.1	6.4	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Virginia
23.8	82.7	6.7	8.7	7.3	97.6	2.4	---	100.0	97.6	100.0	---	---	---	2.0	17. Warren
12.8	81.3	5.8	6.9	6.0	100.0	---	---	100.0	100.0	100.0	---	---	---	---	Mass.
24.9	83.9	6.5	8.8	7.7	95.9	4.1	---	100.0	100.0	95.9	---	---	---	---	18. Wila
14.1	82.7	6.1	7.1	6.5	95.8	4.2	---	100.0	97.9	97.9	---	2.0	---	---	Penna.
23.2	82.6	6.6	8.7	7.6	93.4	6.5	---	99.3	95.1	98.6	.2	1.2	2.6	.3	Average All Entries
13.0	81.8	5.7	6.9	6.4	98.2	1.8	---	99.7	99.4	99.1	---	.3	---	---	Average Bronze Entries
23.6	83.1	6.8	8.7	7.8	91.5	8.3	---	98.9	94.0	97.7	.4	1.6	3.0	.2	Average White Entries
13.5	82.2	5.8	6.9	6.5	97.2	2.8	---	99.8	99.0	98.4	---	.4	---	---	Average White Entries
22.8	82.0	6.4	8.3	7.5	95.9	4.1	---	99.7	96.5	99.8	---	.8	2.0	.5	Average White Entries
12.5	81.2	5.6	6.9	6.2	99.5	.5	---	99.5	100.0	100.0	---	.3	---	---	Average White Entries

SEVENTH TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

ENTRANT	STRAIN OR TRADE NAME	COLOR	MORTALITY (%)			SEX	AVERAGE LIVE WEIGHT (lbs)						FEED CONVERSION	
			2 WEEKS	8 WEEKS	END OF TEST		12 WEEKS	18 WEEKS	20 WEEKS	22 WEEKS	24 WEEKS	26 WEEKS	METHOD 1	METHOD 2
1. Browning	Browning	B	1.0	1.0	5.0	Toms	8.8			19.4	22.6	26.3	3.8	3.7
Kentucky						Hens	7.4	11.7	13.3	14.9			3.7	3.6
2. Hart	Hart-Schneider	B	1.0	4.0	9.0	Toms	8.9			19.4	22.4	25.8	3.7	3.6
Oregon						Hens	7.3	11.5	13.1	14.8			3.5	3.4
3. Janes	Janes Meat Strain	B	0.0	2.0	3.0	Toms	8.9			19.8	22.7	26.2	3.6	3.6
Texas						Hens	7.0	11.7	13.1	14.7			3.5	3.5
4. Janes	Janes Texas Special	B	0.0	0.0	1.0	Toms	8.5			19.5	22.4	25.7	3.6	3.6
Texas						Hens	7.0	11.1	12.5	14.1			3.6	3.5
5. Janes	Janes Strain Cross	B	0.0	0.0	2.0	Toms	8.7			18.7	21.3	24.8	3.7	3.6
Texas						Hens	7.1	11.3	12.8	14.4			3.4	3.4
6. Kehl	Kehl	B	1.0	4.0	6.0	Toms	8.2			16.9	19.1	21.7	3.6	3.6
Wisconsin						Hens	7.0	10.8	12.0	13.5			3.7	3.5
7. Kent	Kent	B	0.0	0.0	1.0	Toms	8.7			19.6	22.2	25.8	3.6	3.6
Texas						Hens	7.3	11.6	13.4	14.9			3.5	3.5
8. Kimber	Kimber KB 33 (S. C.)	B	1.0	1.0	3.0	Toms	8.7			19.0	21.9	25.8	3.6	3.5
California						Hens	7.3	11.8	13.4	15.2			3.6	3.5
9. Kimber	Kimber KW 66 (S. C.)	W	1.0	2.0	4.0	Toms	9.4			20.0	22.9	26.1	3.7	3.6
California						Hens	7.6	11.9	13.4	14.5			3.6	3.5
10. Nicholas	Nicholas	B	0.0	0.0	6.0	Toms	9.0			19.4	22.2	25.3	3.9	3.7
California						Hens	7.6	12.1	13.8	15.2			3.6	3.6
11. Nicholas	Nicholas	W	0.0	0.0	2.0	Toms	9.8			20.6	23.5	27.0	3.7	3.6
California						Hens	7.9	12.7	15.2	15.7			3.4	3.4
12. River Rest	River Rest Meat Cross	W	2.0	2.0	10.0	Toms	8.2			17.6	20.4	23.6	3.7	3.6
Oklahoma						Hens	6.9	10.9	12.3	13.8			3.9	3.6
13. Rusk	Rusk	B	1.0	3.0	5.0	Toms	8.9			19.8	22.6	25.8	3.4	3.4
Washington						Hens	7.3	11.8	13.4	14.8			3.7	3.6
14. Waite	Waite's King Size	B	0.0	1.0	7.0	Toms	8.6			19.0	21.9	25.5	3.6	3.6
Arkansas						Hens	7.3	11.9	13.6	15.2			4.0	3.7
15. Wallis	Wallis	B	0.0	3.0	6.0	Toms	8.8			19.7	23.0	27.0	3.6	3.6
Texas						Hens	7.3	11.4	13.3	15.0			3.7	3.5
16. Wilford	Wilford 5C97	W	0.0	1.0	2.0	Toms	8.4			17.8	20.3	23.1	3.7	3.7
Ohio						Hens	6.3	10.3	11.7	13.2			3.7	3.7
Average All Entries		B & W	0.5	1.5	4.5	Toms	8.8			19.2	22.0	25.3	3.7	3.6
						Hens	7.2	11.5	13.1	14.6			3.6	3.5
Average Bronze Entries		B	0.4	1.6	4.5	Toms	8.7			19.2	22.0	25.5	3.6	3.6
						Hens	7.2	11.6	13.1	14.7			3.6	3.5
Average White Entries		W	0.8	1.3	4.5	Toms	9.0			19.0	21.8	25.0	3.7	3.6
						Hens	7.2	11.5	13.2	14.3			3.7	3.6

SEVENTH TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Eviscerated		Breast Width	Body Depth	Keel Length	Over-All Quality % U. S. Grade			% U. S. Grade A For:			Percent With:				Entrant
Weight	Yield				A	B	C	Fleshing	Finish	Freedom of Pin-Feathers	Pendulous Crop	Roach Back	Leg Weakness	Breast Blisters	
(lbs)	(%)	Inches	Inches	Inches											
22.0	83.6	4.3	9.5	7.8	97.8	2.2	---	100.0	97.8	100.0	2.0	---	---	---	1. Browning
12.2	81.8	4.4	7.6	6.4	89.8	2.0	8.2	100.0	100.0	100.0	2.0	---	---	---	Kentucky
21.5	83.4	4.5	9.3	7.6	100.0	---	---	100.0	100.0	100.0	---	---	4.0	---	2. Hart
12.1	81.6	4.4	7.4	6.3	91.3	4.4	2.2	100.0	97.8	97.8	2.0	---	---	---	Oregon
21.9	83.5	4.3	9.4	7.6	89.6	8.3	2.1	100.0	97.9	97.9	---	---	2.0	---	3. Janes
12.1	82.1	4.3	7.5	6.4	85.7	12.2	2.0	100.0	100.0	89.8	---	---	---	---	Texas
21.3	82.8	4.2	9.5	7.6	94.0	4.0	2.0	98.0	100.0	100.0	---	2.0	---	---	4. Janes
11.6	82.3	4.2	7.5	6.2	83.7	12.2	4.1	98.0	98.0	95.9	---	2.0	---	---	Texas
20.8	83.7	4.4	9.2	7.5	91.7	8.3	---	100.0	100.0	95.8	---	2.0	---	---	5. Janes
11.9	82.5	4.4	7.5	6.2	88.0	12.0	---	100.0	100.0	100.0	---	2.0	---	---	Texas
18.4	84.9	4.8	8.5	6.8	79.6	16.3	2.0	100.0	98.0	89.8	2.0	---	2.0	---	6. Kehl
11.2	82.8	4.6	7.1	5.9	95.6	4.4	---	100.0	100.0	97.8	4.0	---	---	---	Wisconsin
21.4	82.9	4.3	9.3	7.5	91.8	4.1	4.1	100.0	100.0	95.9	---	---	---	---	7. Kent
12.2	82.0	4.3	7.5	6.3	92.0	4.0	4.0	100.0	100.0	100.0	---	---	---	---	Texas
21.6	83.7	4.7	9.1	7.4	89.4	6.4	4.3	100.0	100.0	93.6	---	---	4.0	---	8. Kimber
12.5	82.1	4.6	7.3	6.2	88.0	12.0	---	100.0	100.0	92.0	2.0	---	---	---	California
21.8	83.4	4.6	9.4	7.4	95.7	4.3	---	100.0	100.0	100.0	---	---	2.0	---	9. Kimber
12.0	82.7	4.4	7.4	6.1	97.9	---	2.1	100.0	100.0	100.0	6.0	---	---	---	California
21.2	83.7	4.5	9.5	7.4	93.3	2.2	4.4	100.0	100.0	100.0	---	---	---	---	10. Nicholas
12.6	82.5	4.6	7.5	6.2	93.9	2.0	4.1	100.0	100.0	100.0	2.0	---	---	---	California
22.7	83.9	4.7	9.5	7.5	100.0	---	---	100.0	100.0	100.0	---	---	---	---	11. Nicholas
12.9	81.8	4.4	7.5	6.2	100.0	---	---	100.0	100.0	100.0	---	---	---	---	California
19.7	83.5	4.0	9.2	7.5	95.7	4.3	---	100.0	97.9	100.0	2.0	---	---	---	12. River Rest
11.4	82.1	4.3	7.4	6.2	95.4	4.6	---	100.0	97.7	100.0	4.0	---	---	---	Oklahoma
21.4	83.3	4.3	9.3	7.6	93.8	4.2	---	100.0	100.0	97.9	---	---	---	---	13. Rusk
12.2	82.5	4.4	7.4	6.2	80.9	14.9	4.3	100.0	97.9	91.5	---	4.0	---	---	Washington
21.2	83.3	4.0	9.4	7.7	87.8	10.2	2.0	100.0	95.9	98.0	---	---	---	---	14. Waite
12.3	80.6	4.1	7.6	6.4	95.5	4.5	---	100.0	100.0	97.7	8.0	---	---	---	Arkansas
22.5	83.1	4.3	9.5	7.9	87.2	10.6	2.1	100.0	97.9	100.0	---	4.0	---	---	15. Wallis
12.3	81.6	4.4	7.6	6.5	84.8	10.9	4.4	100.0	100.0	93.5	4.0	---	---	---	Texas
19.3	83.4	4.7	8.8	7.1	100.0	---	---	100.0	100.0	100.0	---	---	---	---	16. Wilford
10.9	83.1	4.6	7.1	5.9	98.0	2.0	---	100.0	100.0	100.0	---	---	---	---	Ohio
21.2	83.5	4.4	9.3	7.5	93.0	5.3	1.4	99.9	99.1	98.1	.4	.5	.9	---	Average All Entries
12.0	82.1	4.4	7.4	6.2	91.3	6.4	2.2	99.9	99.5	97.3	2.1	.5	---	---	Average Bronze Entries
21.3	83.5	4.4	9.3	7.5	91.3	6.4	1.9	99.8	99.0	97.4	.3	.7	1.0	---	Average White Entries
12.1	82.0	4.4	7.5	6.3	89.1	8.0	2.8	99.8	99.5	96.3	2.0	.7	---	---	Average White Entries
20.9	83.6	4.5	9.3	7.4	97.9	2.2	---	100.0	99.5	100.0	.5	---	.5	---	Average White Entries
11.8	82.5	4.4	7.4	6.1	97.8	1.7	.5	100.0	99.4	100.0	2.5	---	---	---	Average White Entries

SEVENTH TEXAS CENTRAL RANDOM SAMPLE TURKEY MEAT PRODUCTION TEST

Statistical Significance of Differences Between Entries

Final Live Weight

Toms																	
Entry No.	15	11	1	3	9	2	7	8	13	4	14	10	5	12	16	6	
Hens																	
Entry No.	11	10	14	8	15	1	7	2	13	3	9	5	4	12	6	16	

Eviscerated Weight

Toms																	
Entry No.	11	15	1	3	9	8	2	13	7	4	14	10	5	12	16	6	
Hens																	
Entry No.	11	10	8	14	15	7	1	13	2	3	9	5	4	12	6	16	

Eviscerated Yield

Toms																	
Entry No.	6	11	10	5	8	1	3	12	16	2	9	14	13	15	7	4	
Hens																	
Entry No.	16	6	9	5	10	13	4	3	12	8	7	11	1	2	15	14	

Breast Width

Toms																	
Entry No.	6	8	11	16	9	10	2	5	1	7	13	15	3	4	12	14	
Hens																	
Entry No.	6	8	16	10	5	9	2	1	13	15	11	7	12	3	4	14	

Body Depth

Toms																	
Entry No.	1	4	11	15	10	9	14	3	2	7	13	5	12	8	16	6	
Hens																	
Entry No.	14	1	15	3	11	10	4	5	7	13	2	9	12	8	16	6	

Keel Length

Toms																	
Entry No.	15	1	14	3	4	2	13	7	11	12	5	8	9	10	16	6	
Hens																	
Entry No.	15	14	1	3	2	7	13	11	12	5	8	4	10	9	16	6	

Information in this report was compiled by the Animal Husbandry Research Division,
Agricultural Research Service, from data supplied by the Test Supervisors
and analyzed by Biometrical Services, ARS

